

**What Is Claimed Is:**

- 1        1.    A fuse structure, comprising:  
2        a substrate;  
3        a first conductive layer formed on part of the substrate,  
4                wherein a layout of the first conductive layer starts  
5                from a fourth vertical line along a first horizontal  
6                line in a second direction, turning in an  
7                intersection of a second vertical line and a second  
8                horizontal line;  
9        a second conductive layer formed on part of the substrate,  
10                wherein a layout of the second conductive layer  
11                starts from a first vertical line along a third  
12                horizontal line in a first direction, turning in an  
13                intersection of a third vertical line and a fourth  
14                horizontal line;  
15        a first dielectric layer formed on the first conductive  
16                layer, the second conductive layer and the substrate;  
17        a third conductive layer formed on the part of the first  
18                dielectric layer, wherein a layout of the third  
19                conductive layer starts from the first vertical line  
20                along the third horizontal line in the first  
21                direction, turning in an intersection of the third  
22                vertical line and the second horizontal line;  
23        a fourth conductive layer formed on the part of the first  
24                dielectric layer, wherein a layout of the fourth  
25                conductive layer starts from the fourth vertical line  
26                along a fifth horizontal line in the second  
27                direction, turning in an intersection of the second  
28                vertical line and the fourth horizontal line;

29 a second dielectric layer formed on the third conductive  
30 layer, the fourth conductive layer and the first  
31 dielectric layer;  
32 a fifth conductive layer formed on part of the second  
33 dielectric layer, wherein a layout of the fifth  
34 conductive layer starts from the first vertical line  
35 along the fourth horizontal line in the first  
36 direction and extends to the second vertical line;  
37 a sixth conductive layer formed on part of the second  
38 dielectric layer, wherein a layout of the sixth  
39 conductive layer starts from the fourth vertical line  
40 along the fourth horizontal line in the second  
41 direction and extends to the third vertical line;  
42 a seventh conductive layer formed on part of the second  
43 dielectric layer, wherein a layout of the seventh  
44 conductive layer starts from the first vertical line  
45 along the third horizontal line and extends to the  
46 fourth vertical line;  
47 a eighth conductive layer formed on part of the dielectric  
48 layer, wherein a layout of the eight conductive layer  
49 starts from the first vertical line along the second  
50 horizontal line in the first direction and extends  
51 to the second vertical line;  
52 a ninth conductive layer formed on part of the second  
53 dielectric layer, a layout of the ninth conductive  
54 layer starts from the fourth vertical line along the  
55 second horizontal line in the second direction and  
56 extends to the third vertical line;  
57 a tenth conductive layer formed on part of the second  
58 dielectric layer, a layout of the tenth conductive

59 layer starts from the first vertical line along the  
60 first horizontal line and extends to the fourth  
61 vertical line;  
62 a first conductive plug formed on an intersection of the  
63 second vertical line and the second horizontal line  
64 to penetrate the first dielectric layer and the  
65 second dielectric layer to electrically connected to  
66 the first conductive layer and the eighth conductive  
67 layer;  
68 a second conductive plug formed on an intersection of the  
69 third vertical line and the second horizontal line  
70 to penetrate the second dielectric layer to  
71 electrically connected to the third conductive layer  
72 and the ninth conductive layer;  
73 a third conductive plug formed on an intersection of the  
74 second vertical line and the fourth horizontal line  
75 to penetrate the second dielectric layer to  
76 electrically connected to the fourth conductive  
77 layer and the fifth conductive layer; and  
78 a fourth conductive plug formed on an intersection of the  
79 third vertical line and the fourth horizontal line  
80 to penetrate the first dielectric layer and the  
81 second dielectric layer to electrically connected to  
82 the second conductive layer and the sixth conductive  
83 layer.

1 2. The fuse structure as claimed in claim 1, wherein the  
2 first horizontal line, the second horizontal line, the third  
3 horizontal line, the fourth horizontal line and the fifth  
4 horizontal line are arranged in order, the first vertical line,  
5 the second vertical line, the third vertical line and the fourth

6 vertical line are arranged in order, the distance between the  
7 first vertical line and the vertical line longer than the  
8 distance between the second vertical line and the third vertical  
9 line, and the distance between the third vertical line and the  
10 fourth vertical line is longer than the distance between the  
11 second vertical line and the third vertical line 91.

1 3. The fuse structure as claimed in claim 1, wherein the  
2 first conductive layer, the second conductive layer, the third  
3 conductive layer and the fourth conductive layer are tungsten  
4 or polysilicon.

1 4. The fuse structure as claimed in claim 1, wherein the  
2 fifth conductive layer, the sixth conductive layer, the seventh  
3 conductive layer, the eighth conductive layer, the ninth  
4 conductive layer and tenth conductive layer are aluminum,  
5 copper-aluminum alloy or polysilicon.

1 5. The fuse structure as claimed in claim 1, wherein the  
2 first conductive plug, the second conductive plug, the third  
3 conductive plug and the fourth conductive plug are tungsten or  
4 polysilicon.

1 6. The fuse structure as claimed in claim 1, wherein the  
2 first dielectric layer and the second dielectric layer are SiO<sub>2</sub>.

1 7. A fuse window having a plurality of fuse structures,  
2 each comprising:

3 a substrate;

4 a first conductive layer formed on part of the substrate,  
5 wherein a layout of the first conductive layer starts  
6 from a fourth vertical line along a first horizontal  
7 line in a second direction, turning in an  
8 intersection of a second vertical line and a second  
9 horizontal line;

10 a second conductive layer formed on part of the substrate,  
11 wherein a layout of the second conductive layer  
12 starts from a first vertical line along a third  
13 horizontal line in a first direction, turning in an  
14 intersection of a third vertical line and a fourth  
15 horizontal line;  
16 a first dielectric layer formed on the first conductive  
17 layer, the second conductive layer and the substrate;  
18 a third conductive layer formed on the part of the first  
19 dielectric layer, wherein a layout of the third  
20 conductive layer starts from the first vertical line  
21 along the third horizontal line in the first  
22 direction, turning in an intersection of the third  
23 vertical line and the second horizontal line;  
24 a fourth conductive layer formed on the part of the first  
25 dielectric layer, wherein a layout of the fourth  
26 conductive layer starts from the fourth vertical line  
27 along a fifth horizontal line in the second  
28 direction, turning in an intersection of the second  
29 vertical line and the fourth horizontal line;  
30 a second dielectric layer formed on the third conductive  
31 layer, the fourth conductive layer and the first  
32 dielectric layer;  
33 a fifth conductive layer formed on part of the second  
34 dielectric layer, wherein a layout of the fifth  
35 conductive layer starts from the first vertical line  
36 along the fourth horizontal in the first direction  
37 and extends to the second vertical line;  
38 a sixth conductive layer formed on part of the second  
39 dielectric layer, wherein a layout of the sixth

40           conductive layer starts from the fourth vertical line  
41           along the fourth horizontal line in the second  
42           direction and extends the third vertical line;  
43       a seventh conductive layer formed on part of the second  
44           dielectric layer, wherein a layout of the seventh  
45           conductive layer starts from the first vertical line  
46           along the third horizontal line and extends to the  
47           fourth vertical line;  
48       a eighth conductive layer formed on part of the dielectric  
49           layer, wherein a layout of the eight conductive layer  
50           starts from the first vertical line along the second  
51           horizontal line in the first direction and extends  
52           to the second vertical line;  
53       a ninth conductive layer formed on part of the second  
54           dielectric layer, and a layout of the ninth  
55           conductive layer starts from the fourth vertical line  
56           along the second horizontal line in the second  
57           direction and extends the third vertical line;  
58       a tenth conductive layer formed on part of the second  
59           dielectric layer, and a layout of the tenth  
60           conductive layer starts from the first vertical line  
61           along the first horizontal line and extends to the  
62           fourth vertical line;  
63       a first conductive plug formed on an intersection of the  
64           second vertical line and the second horizontal line  
65           to penetrate the first dielectric layer and the  
66           second dielectric layer to electrically connected to  
67           the first conductive layer and the eighth conductive  
68           layer;

69 a second conductive plug formed on an intersection of the  
70 third vertical line and the second horizontal line  
71 to penetrate the second dielectric layer to  
72 electrically connected to the third conductive layer  
73 and the ninth conductive layer;  
74 a third conductive plug formed on an intersection of the  
75 second vertical line and the fourth horizontal line  
76 to penetrate the second dielectric layer to  
77 electrically connected to the fourth conductive  
78 layer and the fifth conductive layer;  
79 a fourth conductive plug formed on an intersection of the  
80 third vertical line and the fourth horizontal line  
81 to penetrate the first dielectric layer and the  
82 second dielectric layer to electrically connected to  
83 the second conductive layer and the sixth conductive  
84 layer;  
85 a first laser spot formed on the fifth conductive layer;  
86 a second laser spot formed on the sixth conductive layer;  
87 a third laser spot formed on the second laser spot of the  
88 seventh conductive layer;  
89 a fourth laser spot formed on the eighth conductive layer;  
90 a fifth laser spot formed on the ninth conductive layer;  
91 and  
92 a sixth laser spot formed on the fourth laser spot of the  
93 tenth conductive layer, wherein in the first  
94 conductive layer is electrically connected to the  
95 eighth conductive layer is a fuse unit, the third  
96 conductive layer is electrically connected to the  
97 ninth conductive layer is a fuse unit, the fourth  
98 conductive layer is electrically connected to the

99 fifth conductive layer is a fuse unit, the second  
100 conductive is electrically connected to the sixth  
101 conductive layer is a fuse unit, the seventh  
102 conductive layer is a fuse unit, the tenth conductive  
103 layer is a fuse unit.

1 8. The fuse window according to claim 7, wherein the  
2 first horizontal line, the second horizontal line, the third  
3 horizontal line, the fourth horizontal line and the fifth  
4 horizontal line are arranged in order, the first vertical line,  
5 the second vertical line, the third vertical line and the fourth  
6 vertical line are arranged in order, the distance between the  
7 first vertical line and the second vertical line longer than the  
8 distance between the second vertical line and the third vertical  
9 line, and the distance between the third vertical line and the  
10 fourth vertical line is longer than the distance between the  
11 second vertical line and the third vertical line.

1 9. The fuse window as claimed in claim 7, wherein the  
2 first conductive layer, the second conductive layer, the third  
3 conductive layer and the fourth conductive layer are tungsten  
4 or polysilicon.

1 10. The fuse window as claimed in claim 7, wherein the  
2 fifth conductive layer, the sixth conductive layer, the seventh  
3 conductive layer, the eighth conductive layer, the ninth  
4 conductive layer and tenth conductive layer are aluminum,  
5 copper-aluminum alloy or polysilicon.

6 11. The fuse window as claimed in claim 7, wherein the  
7 first conductive plug, the second conductive plug, the third  
8 conductive plug and the fourth conductive plug are tungsten or  
9 polysilicon.



1                   12. The fuse window as claimed in claim 7,  
2                   wherein the  
3 first dielectric layer and the second dielectric layer are SiO<sub>2</sub>.

1           13. A fuse structure comprising:

2           a substrate;

3           an eleventh conductive layer formed on part of the  
4           substrate, wherein a layout of the eleventh  
5           conductive layer starts from a fourth horizontal line  
6           along a first vertical line and extends to a second  
7           horizontal line along a second horizontal line,  
8           turning in a third vertical line;

9           a twelfth conductive layer formed on part of the  
10           substructure, wherein a layout of the twelfth  
11           conductive layer starts from a fourth horizontal line  
12           along a seventh vertical line and extends to the  
13           second horizontal line along the second horizontal  
14           line, turning in a fifth vertical line;

15           a thirteenth conductive layer formed on part of the  
16           substrate, wherein a layout of the thirteenth  
17           conductive layer starts from a second vertical line  
18           along a third horizontal line and extends near to a  
19           fourth vertical line along the fourth vertical line,  
20           turning in a first horizontal line;

21           a fourteenth conductive layer formed on part of the  
22           substrate, wherein a layout of the fourteenth  
23           conductive layer starts from a sixth vertical line  
24           along the third horizontal line and extends to the  
25           fourth vertical line along the fourth vertical line,  
26           turning in the first horizontal line;

27 a first dielectric layer formed on the eleventh conductive  
28 layer, the twelfth conductive layer, the thirteenth  
29 conductive layer, the fourteenth conductive layer  
30 and part of the substrate;  
31 a fifteenth conductive layer formed on part of the first  
32 dielectric, wherein a layout of the fifteenth  
33 conductive layer starts from the first vertical line  
34 along the second horizontal line and extends near to  
35 a second vertical line;  
36 a sixteenth conductive layer formed on part of the first  
37 dielectric layer, wherein a layout of the sixteenth  
38 conductive layer starts from a seventh vertical line  
39 along the second horizontal line and extends near to  
40 a sixth vertical line;  
41 a seventeenth conductive layer formed on part of the first  
42 dielectric layer, wherein a layout of the seventeenth  
43 conductive layer starts from a third vertical line  
44 along the third horizontal line and extends near to  
45 the fourth vertical line along the fourth vertical  
46 line, turning in the first horizontal line;  
47 an eighteenth conductive layer formed on part of the first  
48 dielectric layer, wherein a layout of the eighteenth  
49 conductive layer starts from a fifth vertical line  
50 along the third horizontal line and extends near to  
51 the fourth vertical line along the fourth vertical  
52 line, turning in the first horizontal line;  
53 a second dielectric layer formed on the fifteenth  
54 conductive layer, the sixteenth conductive layer,  
55 the seventeenth conductive layer, the eighteenth

56           conductive layer and part of the first dielectric  
57           layer;  
58       a nineteenth conductive layer formed on part of the second  
59           dielectric layer, wherein a layout of the ninth  
60           conductive starts from the first horizontal line  
61           along the second vertical line and extends to the  
62           second horizontal line;  
63       a twentieth conductive layer formed on part of the  
64           dielectric layer, wherein a layout of the twentieth  
65           conductive layer starts from the first horizontal  
66           line along the third vertical line and extends to the  
67           second horizontal line;  
68       a twenty first conductive layer formed on part of the second  
69           dielectric layer, wherein a layout of the twenty  
70           first conductive layer starts from the fourth  
71           horizontal line along the second vertical line and  
72           extends to the third horizontal line;  
73       a twenty second conductive layer formed on part of the  
74           second dielectric layer, wherein a layout of the  
75           twenty second conductive layer starts from the fourth  
76           horizontal line along the third vertical line and  
77           extends to the third horizontal line;  
78       a twenty third conductive layer formed on part of the second  
79           dielectric layer, wherein a layout of the twenty  
80           third conductive layer starts from the first  
81           horizontal line along the fourth vertical line and  
82           extends to the fourth horizontal line;  
83       a twenty fourth conductive layer formed on part of the  
84           dielectric layer, wherein a layout of the twenty  
85           fourth conductive layer starts from the fourth

86 horizontal line along the fifth vertical line and  
87 extends to the third horizontal line;  
88 a twenty fifth conductive layer formed on part of the second  
89 dielectric layer, wherein a layout of the twenty  
90 fifth conductive layer starts from the fourth  
91 horizontal line along the sixth vertical line and  
92 extends to the third horizontal line;  
93 a twenty sixth conductive layer formed on part of second  
94 the dielectric layer, wherein a layout of the twenty  
95 sixth conductive starts from the first horizontal  
96 line along the fifth vertical line and extends to the  
97 second horizontal line;  
98 a twenty seventh conductive layer formed on part of the  
99 second dielectric layer, wherein a layout of the  
100 twenty seventh conductive layer starts from the first  
101 horizontal line along the sixth vertical line and  
102 extends to the second horizontal line;  
103 a twenty eighth conductive layer formed on part of the  
104 second dielectric layer, wherein a layout of the  
105 twenty eighth conductive layer starts from the first  
106 horizontal line along the seventh vertical line and  
107 extends to the fourth horizontal line;  
108 a eleventh conductive plug formed on an intersection of the  
109 second vertical line and the second horizontal line  
110 to penetrate the second dielectric layer to  
111 electrically connected to the fifteenth conductive  
112 layer and the nineteenth conductive layer;  
113 a twelfth conductive plug formed on an intersection of the  
114 third vertical line and the second horizontal line  
115 to penetrate the first dielectric layer and the

116 second dielectric layer to electrically connected to  
117 the eleventh conductive layer and twentieth  
118 conductive layer;

119 a thirteenth conductive plug formed on an intersection of  
120 the fifth vertical line and the second horizontal  
121 line to penetrate the first dielectric layer and the  
122 second dielectric layer to electrically connected to  
123 the twelfth conductive layer and the twenty sixth  
124 conductive layer;

125 a fourteenth conductive plug formed on an intersection of  
126 the sixth vertical line and the second horizontal  
127 line to penetrate the second dielectric layer to  
128 electrically connected to the sixteenth conductive  
129 layer and twenty seventh conductive layer;

130 a fifteenth conductive plug formed on an intersection of  
131 the second vertical line and the third horizontal  
132 line to penetrate the first dielectric layer and the  
133 second dielectric layer to electrically connected to  
134 the thirteenth conductive layer and the twenty first  
135 conductive layer;

136 a sixteenth conductive plug formed on an intersection of  
137 the third vertical line and the third horizontal line  
138 to penetrate the second dielectric layer to  
139 electrically connected to the seventeenth conductive  
140 layer and twenty second conductive layer;

141 a seventeenth conductive plug formed on an intersection of  
142 the fifth vertical line and the third horizontal line  
143 to penetrate the second dielectric layer to  
144 electrically connected to the eighteenth conductive  
145 layer and twenty fourth conductive layer; and

146 an eighteenth conductive plug formed on an intersection of  
147 the sixth vertical line and the third horizontal line  
148 to penetrate the first dielectric layer and the  
149 second dielectric layer to electrically connected to  
150 the fourteenth conductive layer and the twenty fifth  
151 conductive layer.

1 14. The fuse structure according to claim 13, wherein the  
2 seventeenth conductive layer, the twentieth conductive layer,  
3 the thirteenth conductive layer and the fourteenth conductive  
4 layer are tungsten or polysilicon.

1 15. The fuse structure according to claim 13, wherein the  
2 fifteenth conductive layer, the sixteenth conductive layer, the  
3 seventeenth conductive layer, and the eighteenth conductive  
4 layer are tungsten or polysilicon.

1 16. The fuse structure according to claim 13, wherein the  
2 nineteenth conductive layer, the twentieth conductive layer,  
3 the twenty first conductive layer, the twenty second conductive  
4 layer, the twenty third conductive layer, the twenty fourth  
5 conductive layer, the twenty fifth conductive layer, the twenty  
6 sixth conductive layer, the twenty seventh conductive layer and  
7 the twenty eighth conductive layer are aluminum,  
8 copper-aluminum alloy or polysilicon.

1 17. The fuse structure according to claim 13, wherein the  
2 seventh conductive plug, the twelfth conductive plug, the  
3 thirteenth conductive plug, the fourteenth conductive plug, the  
4 fifteenth conductive plug, the sixteenth conductive plug, the

5 seventeenth conductive plug and the eighteenth conductive plug  
6 are tungsten or polysilicon.

1 18. The fuse structure according to claim 13, wherein the  
2 first dielectric layer and the second dielectric layer are SiO<sub>2</sub>.

1 19. A fuse window comprising:

2 a substrate;

3 an eleventh conductive layer formed on part of the  
4 substrate, wherein a layout of the eleventh  
5 conductive layer starts from a fourth horizontal line  
6 along a first vertical line and extends to a second  
7 horizontal line along a second horizontal line,  
8 turning in a third vertical line;

9 a twelfth conductive layer formed on part of the  
10 substructure, wherein a layout of the twelfth  
11 conductive layer starts from a fourth horizontal line  
12 along a seventh vertical line and extends to the  
13 second horizontal line along the second horizontal  
14 line, turning in a fifth vertical line;

15 a thirteenth conductive layer formed on part of the  
16 substrate, wherein a layout of the thirteenth  
17 conductive layer starts from a vertical line along  
18 a third horizontal line and extends near to a fourth  
19 vertical line along a fourth vertical line, turning  
20 in a first horizontal line;

21 a fourteenth conductive layer formed on part of the  
22 substrate, wherein a layout of the fourteenth  
23 conductive layer starts from a sixth vertical line  
24 along the third horizontal line and extends to the

25           fourth vertical line along the fourth vertical line,  
26           turning in the first horizontal line;  
27   a first dielectric layer formed on the eleventh conductive  
28           layer, the twelfth conductive layer, the thirteenth  
29           conductive layer, the fourteenth conductive layer  
30           and part of the substrate;  
31   a fifteenth conductive layer formed on part of the first  
32           dielectric, wherein a layout of the fifteenth  
33           conductive layer starts from the first vertical line  
34           along the second horizontal line and extends to a  
35           second vertical line;  
36   a sixteenth conductive layer formed on part of the first  
37           dielectric layer, wherein a layout of the sixteenth  
38           conductive layer starts from a seventh vertical line  
39           along the second horizontal line and extends to a  
40           sixth vertical;  
41   a seventeenth conductive layer formed on part of the first  
42           dielectric layer, wherein a layout of the seventeenth  
43           conductive layer starts from a third vertical line  
44           along the third horizontal line and extends near to  
45           the fourth vertical line along the fourth vertical  
46           line, turning in the first horizontal line;  
47   an eighteenth conductive layer formed on part of the first  
48           dielectric layer, wherein a layout of the eighteenth  
49           conductive layer starts from a fifth vertical line  
50           along the third horizontal line and extends near to  
51           the fourth vertical line along the fourth vertical  
52           line, turning in the first horizontal line;  
53   a second dielectric layer formed on the fifteenth  
54           conductive layer, the sixteenth conductive layer,



55           the seventeenth conductive layer, the eighteenth  
56           conductive layer and part of the first dielectric  
57           layer;  
58       a nineteenth conductive layer formed on part of the second  
59           dielectric layer, wherein a layout of the ninth  
60           conductive starts from the first horizontal line  
61           along the second vertical line and extends to the  
62           second horizontal line;  
63       a twentieth conductive layer formed on part of the  
64           dielectric layer, wherein a layout of the twentieth  
65           conductive layer starts from the first conductive  
66           layer along the third vertical line and extends to  
67           the second horizontal line;  
68       a twenty first conductive layer formed on part of the second  
69           dielectric layer, wherein a layout of the twenty  
70           first conductive layer starts from the fourth  
71           horizontal line along the second vertical line and  
72           extends to the third horizontal line;  
73       a twenty second conductive layer formed on part of the  
74           second dielectric layer, wherein a layout of the  
75           twenty second conductive layer starts from the fourth  
76           horizontal line along the third vertical line and  
77           extends to the third horizontal line;  
78       a twenty third conductive layer formed on part of the second  
79           dielectric layer, wherein a layout of the twenty  
80           third conductive layer starts from the first  
81           horizontal line along the fourth vertical line and  
82           extends to the fourth horizontal line;  
83       a twenty fourth conductive layer formed on part of the  
84           dielectric layer, wherein a layout of the twenty

85           fourth conductive layer starts from the fourth  
86           horizontal line along the fifth vertical line and  
87           extends to the third horizontal line;  
88       a twenty fifth conductive layer formed on part of the second  
89           dielectric layer, wherein a layout of the twenty  
90           fifth conductive layer starts from the fourth  
91           horizontal line along the sixth vertical line and  
92           extends to the third horizontal line;  
93       a twenty sixth conductive layer formed on part of second  
94           the dielectric layer, wherein a layout of the twenty  
95           sixth conductive starts from the first horizontal  
96           line along the fifth vertical line and extends to the  
97           second horizontal line;  
98       a twenty seventh conductive layer formed on part of the  
99           second dielectric layer, wherein a layout of the  
100           twenty seventh conductive layer starts from the first  
101           horizontal line along the sixth vertical line and  
102           extends to the second horizontal line;  
103       a twenty eighth conductive layer formed on part of the  
104           second dielectric layer, wherein a layout of the  
105           twenty eighth starts from the first horizontal line  
106           along the seventh vertical line and extends to the  
107           fourth horizontal line;  
108       a eleventh conductive plug formed on an intersection of the  
109           second vertical line and the second horizontal line  
110           to penetrate the second dielectric layer to  
111           electrically connected to the fifteenth conductive  
112           layer and the nineteenth conductive layer;  
113       a twelfth conductive plug formed on an intersection of the  
114           third vertical line and the second horizontal line

115 to penetrate the first dielectric layer and the  
116 second dielectric layer to electrically connect the  
117 eleventh conductive layer and twentieth conductive  
118 layer;  
119 a thirteenth conductive plug formed on an intersection of  
120 the fifth vertical line and the second horizontal  
121 line to penetrate the first dielectric layer and the  
122 second dielectric to electrically connected to the  
123 twelfth conductive layer and the twenty sixth  
124 conductive layer;  
125 a fourteenth conductive plug formed on an intersection of  
126 the sixth vertical line and the second horizontal  
127 line to penetrate the second dielectric layer to  
128 electrically connected to the sixteenth conductive  
129 layer and twenty seventh conductive layer;  
130 a fifteenth conductive plug formed on an intersection of  
131 the second vertical line and the third horizontal  
132 line to penetrate the first dielectric layer and the  
133 second dielectric layer to electrically connected to  
134 the thirteenth conductive layer and the twenty first  
135 conductive layer;  
136 a sixteenth conductive plug formed on an intersection of  
137 the third vertical line and the third horizontal line  
138 to penetrate the second dielectric layer to  
139 electrically connected to the seventeenth conductive  
140 layer and twenty second conductive layer;  
141 a seventeenth conductive plug formed on an intersection of  
142 the fifth vertical line and the third horizontal line  
143 to penetrate the second dielectric layer to

144 electrically connected to the eighteenth conductive.  
145 layer and twenty fourth conductive layer; and  
146 a eighteenth conductive plug formed on an intersection of  
147 the sixth vertical line and the third horizontal line  
148 to penetrate the first dielectric layer and the  
149 second dielectric layer to electrically connected to  
150 the fourteenth conductive layer and the twenty fifth  
151 conductive layer;  
152 an eleventh laser spot formed on the nineteenth conductive  
153 layer;  
154 a twelfth laser spot formed on the twentieth conductive  
155 layer;  
156 a thirteen laser spot formed on the twenty first conductive  
157 layer;  
158 a fourteenth laser spot formed on the twenty second  
159 conductive layer;  
160 a fifteenth laser spot formed on the twenty third  
161 conductive layer;  
162 a sixteenth laser spot formed on the twenty fourth  
163 conductive layer;  
164 a seventeenth laser spot formed on the twenty fifth  
165 conductive layer;  
166 a eighteenth laser spot formed on the twenty sixth  
167 conductive layer;  
168 a nineteenth laser spot formed on the twenty seventh  
169 conductive layer; and  
170 a twentieth laser spot formed on the twenty eighth  
171 conductive layer;  
172 wherein in the fuse window comprises a plurality of fuse  
173 structures, each fuse structure comprising ten

174 fuses, each with its own laser spot, and not  
175 electrically connected to each other, wherein the  
176 fifteenth conductive layer is electrically connected  
177 to the nineteenth conductive layer is a fuse unit,  
178 the eleventh conductive layer is electrically  
179 connected to the twentieth conductive layer is a fuse  
180 unit, the twelfth conductive layer is electrically  
181 connected to the twenty sixth conductive layer is a  
182 fuse unit, the sixteenth conductive layer is  
183 electrically connected to the twenty seventh  
184 conductive layer is a fuse unit, the thirteenth  
185 conductive layer is electrically connected to the  
186 twenty first conductive layer is a fuse unit, the  
187 seventeenth conductive layer is electrically  
188 connected to the twenty second conductive layer is  
189 a fuse unit, the eighteenth conductive layer is  
190 electrically connected to the twenty fourth  
191 conductive layer is a fuse unit, the fourteenth  
192 conductive layer is electrically connected to the  
193 twenty fifth conductive layer is a fuse unit, the  
194 twenty third conductive layer is a fuse unit, and a  
195 twenty eighth conductive layer is a fuse unit.

1 20. The fuse window according to claim 19, wherein the  
2 eleventh conductive layer, the twelfth conductive layer,  
3 thirteenth conductive layer, and fourteenth conductive layer  
4 are tungsten or polysilicon.

1 21. The fuse window according to claim 19, wherein the

2 fifteenth conductive layer, the sixteenth conductive layer, the  
3 seventeenth conductive layer, and the eighteenth conductive  
4 layer are tungsten or polysilicon.

1 22. The fuse window according to claim 19, wherein the  
2 nineteenth conductive layer, the twentieth conductive layer,  
3 the twenty first conductive layer, the twenty second conductive  
4 layer, the twenty third conductive layer,, the twenty fourth  
5 conductive layer, the twenty fifth conductive layer, the twenty  
6 sixth conductive layer, twenty seventh conductive layer and the  
7 twenty eighth conductive layer are aluminum, copper-aluminum  
8 alloy or polysilicon.

1 23. The fuse window according to claim 19, wherein the  
2 eleventh conductive plug, the twelfth conductive plug, the  
3 thirteenth conductive plug, the fourteenth conductive plug, the  
4 fifteenth conductive plug, the sixteenth conductive plug, the  
5 seventeenth conductive plug and the eighteenth conductive plug  
6 are tungsten or polysilicon.

1 24. The fuse window according to claim 19, wherein the  
2 first dielectric layer and the second dielectric layer are SiO<sub>2</sub>.

1 25. A processing method for fuse structure, comprising  
2 the steps of:  
3 providing a structure;  
4 forming a first conductive layer and a second conductive  
5 layer on part of the structure;  
6 forming a first dielectric layer on the first conductive  
7 layer, the second conductive layer and the structure;

8 forming a first opening on the first dielectric layer,  
9 exposing the first conductive layer and the second  
10 conductive layer;  
11 implanting a first conductive plug to penetrate the first  
12 conductive layer via the first opening;  
13 forming a third conductive layer and a fourth conductive  
14 layer on part of the first dielectric layer;  
15 forming a second dielectric layer on the third conductive  
16 layer, the fourth conductive layer and the first  
17 dielectric layer;  
18 forming a second opening on the second dielectric layer,  
19 exposing the first opening, the third conductive  
20 layer and the fourth conductive layer;  
21 implanting the second conductive plug to penetrate the  
22 second dielectric layer via the second opening;  
23 forming a fifth conductive layer, a sixth conductive layer,  
24 a seventh conductive layer, a eighth conductive  
25 layer, a ninth conductive layer and a tenth  
26 conductive layer on part of the second dielectric  
27 layer, wherein a third conductive plug is  
28 electrically connected to the fourth conductive  
29 layer and the fifth conductive layer, a fourth  
30 conductive plug is electrically connected to the  
31 second conductive layer and the sixth conductive  
32 layer, the third conductive layer is electrically  
33 connected to the ninth conductive layer and the  
34 eighth conductive layer is electrically connected to  
35 the first conductive layer.

1 26. A processing method for fuse structure, comprising  
2 the steps of:

3       forming a substrate;  
4       forming a eleventh conductive layer, a twelfth conductive  
5             layer, a thirteenth conductive layer and a fourteenth  
6             conductive layer on part of the substrate;  
7       forming a first dielectric layer on the eleventh conductive  
8             layer, the twelfth conductive layer, the thirteenth  
9             conductive layer, the fourteenth conductive layer  
10            and the substrate;  
11       forming a fifteenth conductive layer, a sixteenth  
12            conductive layer, a seventeenth conductive layer, a  
13            eighteenth conductive layer on part of the first  
14            dielectric layer;  
15       forming a second dielectric layer on the fifteenth  
16            conductive layer, the sixteenth conductive layer,  
17            the seventeenth conductive layer, the eighteen  
18            conductive layer and the first dielectric layer;  
19       forming an opening on the first dielectric layer and second  
20            dielectric layer, exposing the eleventh conductive  
21            layer, the twelfth conductive layer, the thirteenth  
22            conductive layer, fourteenth conductive layer,  
23            fifteenth conductive layer, the sixteenth conductive  
24            layer, the seventeenth conductive layer and the  
25            eighteenth conductive layer;  
26       implanting a conductive plug in the opening, to penetrate  
27            the first dielectric layer and the second dielectric  
28            layer; and  
29       forming a nineteenth conductive layer, a twentieth  
30            conductive layer, a twenty first conductive layer,  
31            twenty second conductive layer, a twenty third  
32            conductive layer, a twenty fourth conductive layer,



33 a twenty fifth conductive layer, a twenty sixth  
34 conductive layer, a twenty seventh conductive layer  
35 and a twenty eighth conductive layer on part of the  
36 second dielectric layer, wherein a eleventh  
37 conductive plug is electrically connected to the  
38 fifteenth conductive layer and nineteenth conductive  
39 layer, a twelfth conductive plug is electrically  
40 connected to the eleventh conductive layer and the  
41 twentieth conductive layer, a thirteenth conductive  
42 plug is electrically connected to the twenty sixth  
43 conductive layer and the twelfth conductive layer,  
44 a fourteenth conductive plug is electrically  
45 connected to the twenty seventh conductive layer and  
46 the sixteenth conductive layer, a fifteenth  
47 conductive plug is electrically connected to the  
48 twenty first conductive layer and the thirteenth  
49 conductive layer, a sixteenth conductive layer is  
50 electrically connected to the twenty second  
51 conductive layer and the seventeenth conductive  
52 layer, a seventeenth plug is electrically connected  
53 to the twenty fourth conductive layer and eighteenth  
54 conductive layer, and a eighteenth conductive plug  
55 is electrically connected to the twenty fifth  
56 conductive layer and the fourteenth conductive  
57 layer.